

| | | |
|---|--|---|
| TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371 | | ATTORNEY'S DOCKET NUMBER 57987(71417) |
| INTERNATIONAL APPLICATION NO. US03/31430 | | INTERNATIONAL FILING DATE 3 October 2003 |
| TITLE OF INVENTION INHIBITION OF Src FOR TREATMENT OF REPERFUSION INJURY RELATED TO REVASCULARIZATION | | PRIORITY DATE CLAIMED 4 October 2002 |
| APPLICANT(S) FOR DO/EO/US Douglas W. Losordo | | |

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a submission under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a submission under 35 U.S.C. 371.
3. ☒ This is an express request to begin national examination procedures (35 U.S.C. 371 (f)). The submission must include items (5), (6), (9) and (21) indicated below.
4. ☐ The US has been elected (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371 (c)(2))
 - a. ☐ is attached hereto (required only if not communicated by the International Bureau).
 - b. ☒ has been communicated by the International Bureau.
 - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☐ An English language translation of the International Application as filed (35 U.S.C. 371 (c)(2)).
 - a. ☐ is attached hereto.
 - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☐ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))
 - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
 - b. ☐ have been communicated by the International Bureau.
 - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
 - d. ☐ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).
9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).
10. ☐ An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).

Items 11 to 20 below concern document(s) or information included:

11. ☒ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☒ A preliminary amendment.
14. ☐ An Application Data Sheet under 37 CFR 1.76.
15. ☐ A substitute specification.
16. ☐ A power of attorney and/or change of address letter.
17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.
18. ☐ A second copy of the published International Application under 35 U.S.C. 154(d)(4).
19. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
20. ☒ Other items or information: Published PCT Application WO 2004/032709 A2; Form PCT/RO/101 (PCT Request); Form PCT/RO/102; Form PCT/RO/105; Form PCT/RO/106; Form PCT/RO/146; Form PCT/ISA/202; Form PCT/IB/301; Form PCT/IB/304; Form PCT/IB/306; PCT/IB/308; PCT/ISA/220; Form PCT/IB/332; Form PCT/IPEA/401; Form PCT/IPEA/402; Form PCT/IPEA/416; 1st page of Re-Published PCT Application WO 2004/032709 A3 with Form PCT/ISA/210 attached; Copy of Executed Assignment document; * Copy of Response to Invitation to Correct Defects in the International Application and a Notification Regarding Certain Corrections Made Ex Officio; Certificate of Express Mail; and Return Receipt Postcard

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

| | | | | | |
|---|-------------------------------------|---|------------|--|--------------|
| U.S. APPLICATION NO. (if known, see 37 CFR 1.53) 107530038 | | INTERNATIONAL APPLICATION NO. US03/31430 | | ATTORNEY'S DOCKET NUMBER 57987(71417) | |
| The following fees have been submitted | | | | CALCULATIONS | PTO USE ONLY |
| 21. | <input checked="" type="checkbox"/> | Basic national fee | \$300 | \$ 300.00 | |
| 22. | <input checked="" type="checkbox"/> | Examination fee | | | |
| If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4) | | | | \$100 | |
| All other situations | | | | \$200 | |
| 23. | <input checked="" type="checkbox"/> | Search fee | | | |
| Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority | | | | \$100 | |
| International Search Report prepared and provided to the Office | | | | \$400 | |
| All other situations | | | | \$500 | |
| TOTAL OF 21, 22 and 23 = | | | | \$ 1,000.00 | |
| <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. | | | | | |
| Total Sheets | Extra sheets | Number of each additional 50 or fraction thereof (round up to a whole number) | RATE | | |
| - 100 = | /50 = | | x \$250.00 | | |
| Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492 (e)). | | | | \$ | |
| CLAIMS | NUMBER FILED | NUMBER EXTRA | RATE | | |
| Total claims | 41 - 20 = | 21 | x 50.00 | \$ 1,050.00 | |
| Independent claims | 4 - 3 = | 1 | x 200.00 | \$ 200.00 | |
| MULTIPLE DEPENDENT CLAIM(s) (if applicable) | | | | \$ | |
| TOTAL OF ABOVE CALCULATIONS = | | | | \$ 2,250.00 | |
| <input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2. | | | | \$ 1,125.00 | |
| SUBTOTAL = | | | | \$ 1,125.00 | |
| Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492 (f)). | | | | \$ | |
| TOTAL NATIONAL FEE = | | | | \$ 1,125.00 | |
| Fee for recording the enclosed assignment (37 CFR 1.21 (h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property | | | | \$ | |
| TOTAL FEES ENCLOSED = | | | | \$ 1,125.00 | |
| | | | | Amount to be refunded: | \$ |
| | | | | Amount to be charged: | \$ |
| a. <input type="checkbox"/> A check in the amount of \$ _____ to cover the above fees is enclosed. b. <input checked="" type="checkbox"/> Please charge my Deposit Account No. <u>04-1105</u> in the amount of \$ <u>1,125.00</u> to cover the above fees. A duplicate copy of this sheet is enclosed. c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>04-1105</u> . A duplicate copy of this sheet is enclosed. d. <input type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038. | | | | | |
| NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the International Application to pending status. | | | | | |
| SEND ALL CORRESPONDENCE TO: | | | | | |
| David G. Conlin EDWARDS & ANGELL, LLP P.O. Box 55874 Boston, Massachusetts 02205 (617) 439-4444 CUSTOMER NUMBER: 21874 | | | | | |
| SIGNATURE: <u>Kathryn A. Piffat, Ph.D.</u> NAME: _____ 34,901 REGISTRATION NUMBER | | | | | |

10/530038

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

JC17 Rec'd PCT/PTO 01 APR 2005

INVENTOR: Douglas W. Lorsordo
APPLICANT(S): Caritas St. Elizabeth's Medical Center of Boston, Inc.
INT'L APPLN NO.: PCT/US03/31430
FILED: October 3, 2003
FOR: INHIBITION OF Src FOR TREATMENT OF REPERFUSION INJURY
RELATED TO REVASCULARIZATION

CERTIFICATE OF MAILING

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop: Assignment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on October 31, 2003.

By: 

Sharon Bizokas

Mail Stop: Assignment
Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

TRANSMITTAL LETTER

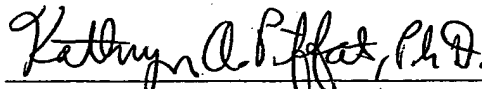
Transmitted herewith for filing in the above-referenced patent application are the following documents:

1. Executed Assignment from Douglas W. Lorsordo to Caritas St. Elizabeth's Medical Center of Boston, Inc. (2 pages);
2. Assignment Recordation Cover Sheet (1 page);
3. A check in the amount of \$40.00 (recordation fee);
4. This Transmittal Letter (x2); and
5. Return Postcard.

The Commissioner is hereby authorized to charge any excess fees that may be required, or credit any overpayment to Deposit Account No. 04-1105. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

Date: October 31, 2003



Kathryn A. Piffat, Reg. No. 34,901
Intellectual Property Practice Group of
EDWARDS & ANGELL, LLP
P.O. Box 9169
Boston, Massachusetts 02209
Tel.: 617.439.4444

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

INVENTOR(S): Losordo
INT'L APPLN NO.: PCT/US03/31430
FILED: 3 October 2003
FOR: INHIBITION OF Src FOR TREATMENT OF REPERFUSION
INJURY RELATED TO REVASCULARIZATION

Mail Stop PCT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Attn: RO/US
Authorized Officer: Rita Dozier

CERTIFICATE OF EXPRESS MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 (Express Mail Label No. EV 342 588 515), and is addressed to: Mail Stop: PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on January 30, 2004


Sharon Bizokas

SIR:

TRANSMITTAL LETTER

Transmitted herewith for filing in the above-referenced patent application are the following documents:

1. Response to Invitation to Correct Defects in the International Application and Notification Regarding Certain Corrections Made *Ex Officio* (2 pages);
2. A copy of the Invitation to Correct Defects in the International Application (3 pages);
3. The replacement executed signature page (page 6) of the PCT Request Form (1 page);
4. A replacement page 1 of the PCT Request Form (1 page) to rectify the spelling of the inventor's name;
5. This transmittal letter (2 pages) (x2); and
6. Return Receipt Postcard

10/530038

Attorney Docket No. 57987-PCT (71417)

INVENTOR(S): Losordo

INT'L APPLN NO.: PCT/US03/31430

FILED: 3 October 2003

JC17 Rec'd PCT/PTO 01 APR 2005

The Commissioner is hereby authorized to charge any excess fees that may be required, or credit any overpayment to Deposit Account No. 04-1105. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

Date: January 30, 2004

Kathryn A. Piffat, Ph.D.

Kathryn A. Piffat, Reg. No. 34,901
Intellectual Property Practice Group of
EDWARDS & ANGELL, LLP
P.O. Box 55874
Boston, Massachusetts 02205
Tel.: 617.439.4444

Customer No. 21874

BOS2_432193.1

Application No. (if known): Not Yet Assigned

Attorney Docket No.: 57987(71417)

Certificate of Express Mailing Under 37 CFR 1.10

I hereby certify that this correspondence is being deposited with the United States Postal Service as Express Mail, Airbill No. EV 492 339 836 US in an envelope addressed to:

MS PCT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

on 1 April 2005
Date



Signature

Sharon Bizokas

Typed or printed name of person signing Certificate

Registration Number, if applicable

(617) 439-4444
Telephone Number

Note: Each paper must have its own certificate of mailing, or this certificate must identify each submitted paper.

Preliminary Amendment (5 pages); Transmittal Letter to the United States Designated-Elected Office; Published PCT Application WO 2004/032709 A2; Form PCT/RO/101 (PCT Request); Form PCT/RO/102; Form PCT/RO/105; Form PCT/RO/106; Form PCT/RO/146; Form PCT/ISA/202; Form PCT/IB/301; Form PCT/IB/304; Form PCT/IB/306; PCT/IB/308; PCT/ISA/220; Form PCT/IB/332; Form PCT/IPEA/401; Form PCT/IPEA/402; Form PCT/IPEA/416; 1st page of Re-Published PCT Application WO 2004/032709 A3 with Form PCT/ISA/210 attached; Copy of Executed Assignment document; Copy of Response to Invitation to Correct Defects in the International Application and a Notification Regarding Certain Corrections Made Ex Officio; Oath or declaration of the inventor(s); Information Disclosure Statement WITH Form/SB/08 Including references; Return Receipt Postcard; Charge \$1,125.00 to deposit account 04-1105

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

JC17 Rec'd PCT/PTO

10/530038
01 APR 2005

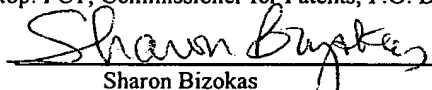
INVENTOR(S): Losordo
INT'L APPLN NO.: PCT/US03/31430
FILED: 3 October 2003
FOR: INHIBITION OF Src FOR TREATMENT OF REPERFUSION
INJURY RELATED TO REVASCULARIZATION

Mail Stop PCT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Attn: RO/US
Authorized Officer: Rita Dozier

CERTIFICATE OF EXPRESS MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 (Express Mail Label No. EV 342 588 515 US), and is addressed to: Mail Stop: PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on January 30, 2004.


Sharon Bizokas

SIR:

**RESPONSE TO INVITATION TO CORRECT
DEFECTS IN THE INTERNATIONAL APPLICATION AND NOTIFICATION
REGARDING CERTAIN CORRECTIONS MADE EX OFFICIO**

An Invitation to Correct Defects and a Notification Regarding Certain Corrections Made *ex Officio* were mailed on 3 December 2003, for the above-referenced international application.

In response to the Invitation, enclosed please find:

1. A copy of the Invitation to Correct Defects in the International Application (3 pages); and
2. The replacement executed signature page (page 6) of the PCT Request Form (1 page).

In response to the Notification, enclosed please find:

1. A replacement page 1 of the PCT Request Form (1 page) to rectify the spelling of the inventor's name, which should read "Losordo" – not [Lorsordo], as indicated on the cover sheet submitted with the application as filed. Applicant respectfully requests rectification of the obvious typographical error in the inventor's name to Losordo.

Attorney Docket No. 57987-PCT (71417)

INVENTOR(S): Losordo

INT'L APPLN NO.: PCT/US03/31430

FILED: 3 October 2003

Page 2 of 2

10/530038

JC17 Rec'd PCT/PTO 01 APR 2005

Please charge any fees that may be due in connection with this matter to Deposit
Account 04-1105.

Please contact the undersigned attorney if any additional information is needed.

Respectfully submitted,

Date: January 30, 2004

Kathryn A. Piffat, Ph.D.

Kathryn A. Piffat, Reg. No. 44,901
Intellectual Property Practice Group of
EDWARDS & ANGELL, LLP
P.O. Box 55874
Boston, Massachusetts 02205
Tel.: 617.439.4444

Customer No. 21874

BOS2_432123.1

DGC/KAR) 57987 (71417)

WO



10/530038
JC17 Rec'd PCT/PTO 01 APR 2005

UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

MAY 25, 2004

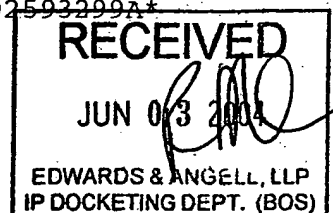
PTAS

EDWARDS & ANGELL, LLP
KATHRYN A. PIFFAT, PH.D.
INTELLECTUAL PROPERTY GROUP
P.O. BOX 9169
BOSTON, MA 02209



102593299A

NOTED ON SYSTEM



UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 11/03/2003

REEL/FRAME: 014652/0589
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).
DOCKET NUMBER: 71417/57987-PCT

ASSIGNOR:

LORSORDO, DOUGLAS W.

DOC DATE: 10/14/2003

ASSIGNEE:

CARITAS ST. ELIZABETH'S MEDICAL
CENTER OF BOSTON, INC.
736 CAMBRIDGE STREET
BOSTON, MASSACHUSETTS 02135

SERIAL NUMBER:

FILING DATE:

PATENT NUMBER:

ISSUE DATE:

PCT NUMBER: US0331430

TITLE:

10/530038

JC17 Rec'd PCT/PTO 01 APR. 2005

014652/0589 PAGE 2

LENELL MACKALL, SUPERVISOR
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS